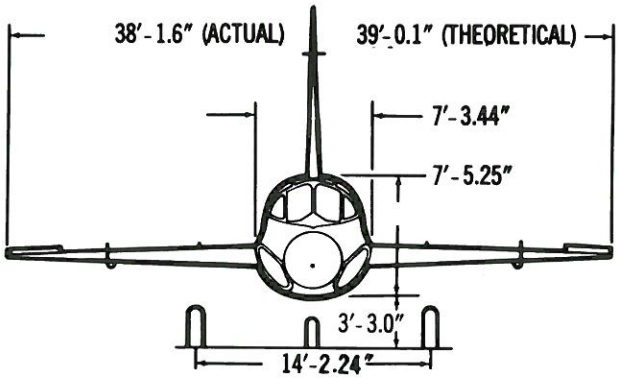
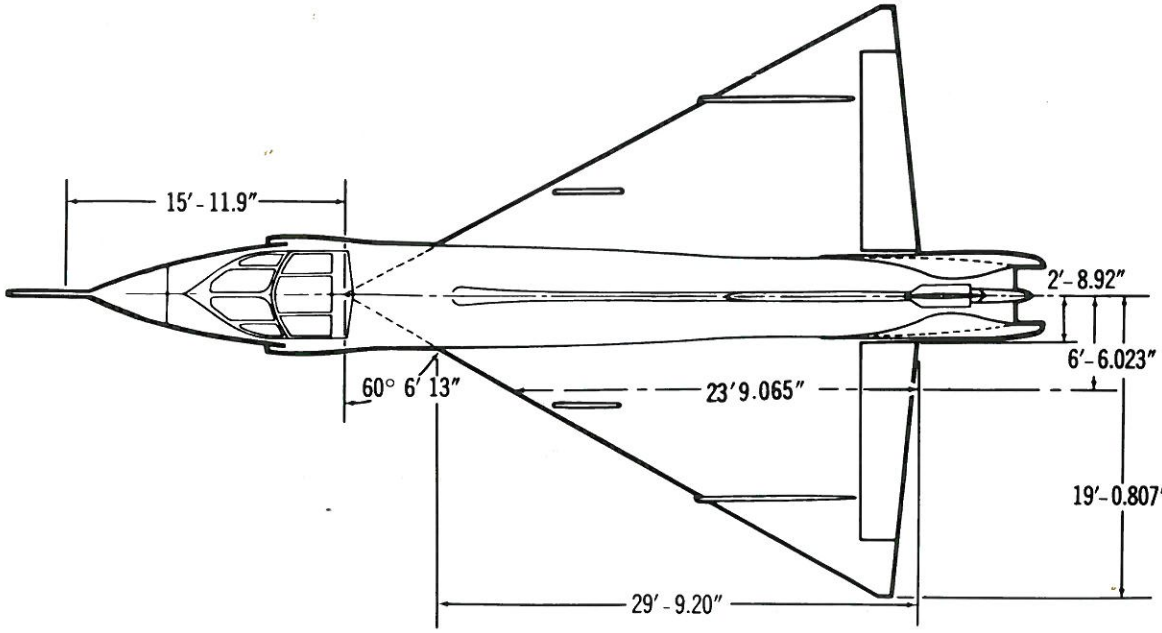
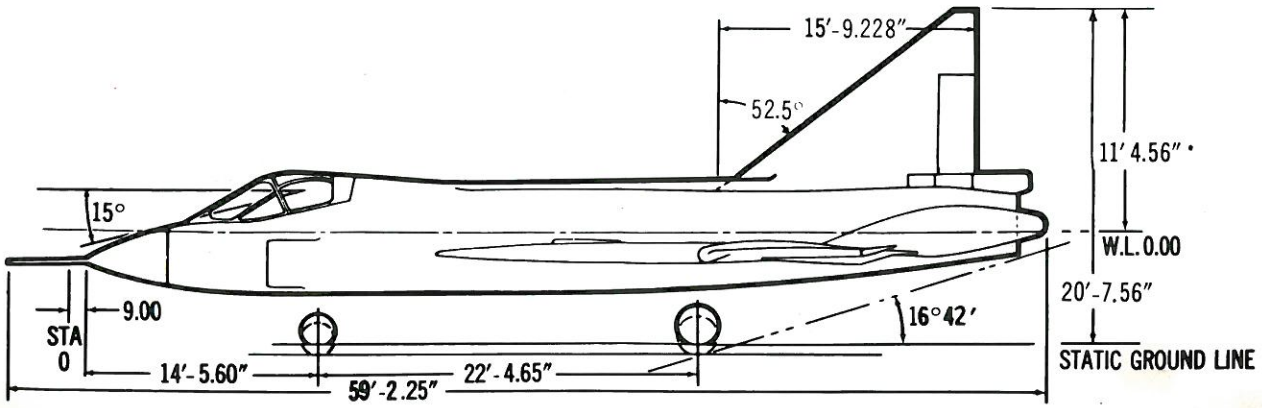
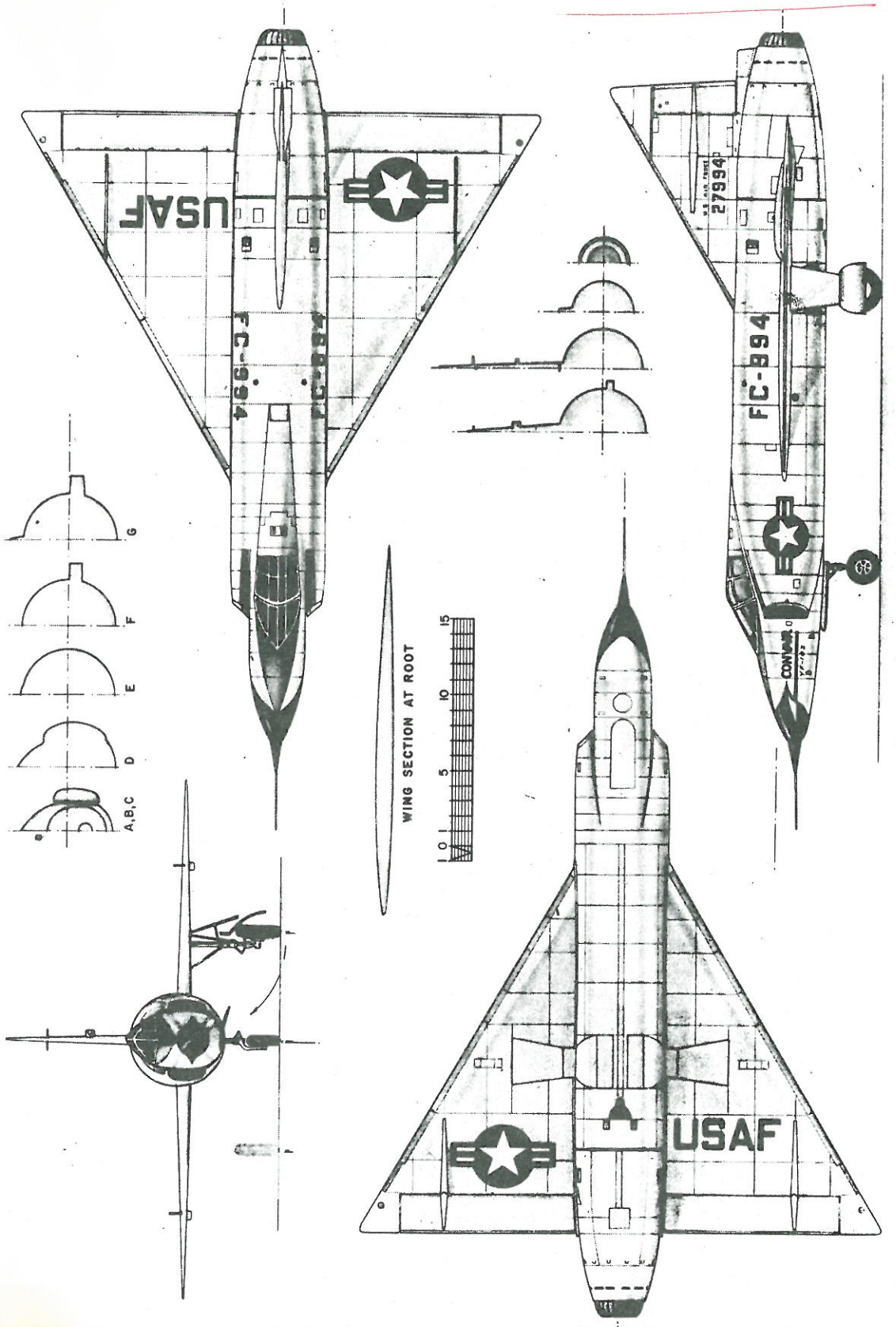
three-view diagram the TF-102A







CONVAIR F-102



■ First USAF true delta wing production fighter, the F-102 is direct descendant of the experimental XF-92A research craft which made its first flight in September, 1948. Earlier model, shown here, has straight line fuselage and thicker wing than present F-102A which has a coke bottle shape, thinner wing and a more powerful Pratt & Whitney J-57 engine rated over 15,000 lbs. of thrust with afterburner. These changes boosted speed to better than Mach 1 in level flight. F-102 is designed as a supersonic all weather interceptor that can operate at heights above 50,000 ft.

CONVAIR F-102A DELTA DAGGER

span 38′1½″, length 68′3¼″, height 18′2″, wing area 661.5 sq. ft., gross weight 32,000 lb.; power plant one P. & W. J57-P-35; max. speed 825 mph., service ceiling 56,000 ft., armament Hughes GAR-1 Falcon AAM×6, crew 1.